

CHECK LIST

Rule 47 Continuing Data PCT Disclaimer

No Yes No Yes

Microfiche Appendix CPA tag

No No

Foreign Priority Claimed: No
Acknowledged: No

State Code: Country Code: FFX

Text Endorsement: 09836169.041801

=====

JACKET

<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
09/836,169	04/18/01	435	477	1652

FOREIGN PRIORITY
Country Document Number Date

DISCLAIMER

/ /

TITLE

Nucleotide sequence encoding the enzyme I-SceI^{11A + 12A} and the uses thereof

MICROFICHE APPENDIX

ASSISTANT EXAMINER:

First: Middle: Last:

PRIMARY EXAMINER:

First: Middle: Last:

Charles L. Patterson, Jr.

CLAIMS ALLOWED

Total Print

27 1

DRAWINGS

Sheets Figures Print

24 38 N

=====

BLUE SLIP INFORMATION

SERIAL NUMBER CLASS SUBCLASS GAU

09/838,169 435 477 1652

INDEP. CLAIMS

1,7

TOTAL CLAIMS

27

=====

BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

Class SubClass

C12N 15/55

CROSS-REFERENCES

Class SubClass

435 478

=====

TERM EXTENSION

0

FIELD OF SEARCH

Class SubClass

435 477;478

=====

OATH

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Bernard		Dujon	Yes
<u>City:</u>	Gif sur Yvette		
<u>State:</u>	<u>ZIP Code:</u>	<u>Country:</u> FRX	<u>Foreign ZIP:</u>

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Andre		Choulika	Yes
<u>City:</u>	Paris		
<u>State:</u>	<u>ZIP Code:</u>	<u>Country:</u> FRX	<u>Foreign ZIP:</u>

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Laurence		Colleaux	Yes
<u>City:</u>	Edinburgh		
<u>State:</u>	<u>ZIP Code:</u>	<u>Country:</u> GBX	<u>Foreign ZIP:</u>

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Cécile		Fairhead	Yes
<u>City:</u>	Malakoff		
<u>State:</u>	<u>ZIP Code:</u>	<u>Country:</u> FRX	<u>Foreign ZIP:</u>

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Arnaud		Perrin	Yes
<u>City:</u>	Paris		
<u>State:</u>	<u>ZIP Code:</u>	<u>Country:</u> FRX	<u>Foreign ZIP:</u>

INVENTOR NAME

Pat. No. 05741088 - 8
Issue Date: 03/24/03

Group ID: A
User ID: Tegan

Page 4

First: Middle: Last: Signed:
Anne Plessis Yes

City: Paris

State: ZIP Code: Country: FRX Foreign ZIP:

INVENTOR NAME

First: Middle: Last: Signed:
Agnes Thierry Yes

City: Paris

State: ZIP Code: Country: FRX Foreign ZIP:

PCT INFO

CONTINUING DATA (Page 1)

<u>LINE</u>	<u>CODE</u>	<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>STATUS</u>	<u>DOCUMENT NO.</u>	<u>ISSUE DATE</u>
104	71	09/196,131	11/20/1998	01	6,238,924	/ /
105	81	08/417,226	04/05/1995	01	5,962,327	/ /
106	84	07/971,160	11/05/1992	01	5,474,896	/ /
107	82	07/879,689	05/05/1992	03		/ /

REFERENCES (Page 1) SERIAL NUMBER: 09/836,169
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
*6,238,924 No issue date available.	05/2001	Dujon et al.	435	477
5,962,327	10/1999	Dujon et al.	435	478
5,474,896	12/1995	Dujon et al.	435	6

*6,395,959 05/2002 Dujon et al.
No issue date available.

800 18

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Rouet et al., [37 Expression of a site-specific endonuclease
stimulates homologous recombination in mammalian cells, [38 [0 [i Proc.
Natl. Acad. Sci, USA[1 , vol. 91, Jun. 1994, pp. 6064-6068.

Sharp, P.M., et al. (1988) [i Nucl. Acids Res. [1 16(17) 8207-8211.

Sharp, P.M., et al. (1987) [i Nucl. Acids Res. [1 15(3) 1281-1295.

Gouy, M., et al., (1982) [i Nucl. Acids Res. [1 10, 7055-7074.

Dujon et al., Sequence of the Intron and Flanking Exons of the
Mitochondrial 21s rRNA Gene of Yeast Strains Having Different Alleles
at the [107 [0 and rib-1 Loci, [i Cell[1 , vol. 20, pp. 185-187
(1980).

Michel F. et al., Comparison of fungal mitochondrial introns reveals
extensive homologies in RNA secondary structure, [i Biochimie[1 , vol.
64: 867-881 (1982).

Michel F, and Dujon B., Conservation of RNA Secondary Structure in Two
Intron Families Including Mitochondrial-, Chloroplast-^{tpa} and
Nuclear-Encoded Members, [i Embo Journal[1 , vol. 2(1), pp. 33-38
(1983).



=====

REFERENCES (Page 2) SERIAL NUMBER: 09/836,169
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Dujon, B., and Jacquier, A., [i Mitochondria[1 , 1983, Walter de Gruyter & Co., pp. 389-403.

Jacquier, A. and Dujon, B., An Intron-Encoded Protein is Active in a Gene Conversion Process that Spreads an Intron into a Mitochondrial Gene, [i Cell[1 , vol. 41, pp. 383-394 (1985).

Dujon et al., [37 In Achievements and Perspective of Mitochondrial Research[38 , [i Biogenesis[1 , vol. II, Elsevier Science Publishers, pp. 215-225 (1985).

Colleaux, L. et al., Universal Code Equivalent of a Yeast Mitochondrial Intron Reading Frame is Expressed into E. Coli as a Specific Double Strand Endonuclease, [i Cell[1 , vol. 44:521-533 (1986).

Michel, F. and Dujon, B., [37 Genetic Exchanges Between Bacteriophage T4 and Filamentous Fungi[48 [38 , [i Cell[1 , vol. 46, p. 323 (1986).

Colleaux, L., et al., Recognition and cleavage site of the intron-encoded omega transposase, [i Proc. Natl. Acad. Sci. USA[1 , vol. 85:6022-6026 (1988).

Dujon B. et al., [37 Group I Introns as Mobile Genetic Elements: Facts and Mechanistic Speculations[13 A Review[38 , [i Gene[1 , vol. 82, pp. 91-114 (1989).

Dujon et al., [37 Mobile Introns: Definition of Terms and Recommended Nomenclature,[38 [0 [i Gene[1 , vol. 82, pp. 115-118 (1989).

Monteilhet C, et al., Purification and Characterization of the in vitro Activity of I-Sce I, a Novel and Highly Specific Endonuclease Encoded by a Group 1 Intron, [i Nucl. Acids Res.[1 , vol. 18(6), pp. 1407-1413 (1990).

Jacquier, A. and Dujon, B., The Intron of the Mitochondrial 21s rRNA Gene: Distribution in Different Yeast Species and Sequence Comparison Between [i Kluyveromyces thermotolerans [1 and [i Saccharomyces cerevisiae, Mol. Gen. Genet.[1 , vol. 192, pp. 487-499 (1983).
=====

REFERENCES (Page 3) SERIAL NUMBER: 09/836,169
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Colleaux, L. et al., The apocytochrome b gene of Chlamydomonas smithii contains a mobile intron related to both Saccharomyces and Neurospora introns, [i Mol. Gen. Genet.[1 , vol. 223;288-296 (1990).

Dujon, B. et al., in [i Extrachromosomal Elements in Lower Eukaryotes

[1 (Plenum Publishing Corporation), pp. 5-27 (1986).

Thierry et al., Cleavage of Yeast and Bacteriophage T7 Genomes at a
Single Site Using the Rare Cutter Endonuclease I-Sce I, [i Nucl. Acids
Res.[1 , vol. 19(1), 1991, pp. 189-190.

Plessis et al., Site-Specific Recombination by I-Sce I: A
Mitochondrial Group I Intron-Encoded Endonuclease Expressed in the
Yeast Nucleus, [i Genetics[1 , vol. 130(3), pp. 451-460 (1992).

Tartof et al., [37 New cloning vectors and techniques . . . , [38 [0 [i
Gene 67[1 :169-182 (1988).

Colleaux et al., [37 Rapid Physical Mapping of YAC inserts . . . , [38
[0 [i Human Mol. Genet.[1 , 2(3):265-271 (1993).

Dujon et al., [37 Mobile Introns, [38 [0 Abstract presented at EMBO
Workshop, Roscoff, France, Jun. 24-28, 1990.

Dujon, B., [37 Des Introns Autonomes et Mobiles[38 , [i Annales de L[3
Institut Pasteur/Actualities[1 , 1:181-194 (1990).

=====
